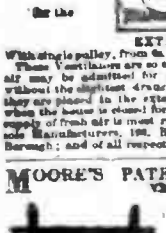
VENTILATION—PURE AIR.

Sheringham's Ventilator, for the admission of pure air through an

EXTERNAL WALL.

With single pulley, from 6s. each; with leading pulley, from 8s. 6d. These Ventilators are so arranged that the requisite quantity of air may be admitted for the due ventilation of an apartment without the slightest draught being felt by the occupants; and as they are placed in the external wall, their action is not impeded when the house is closed for the evening, at which time a constant supply of fresh air is most required.—CLAYARD, BROTHERS, sole Manufacturers, 198, Blackfriars-road, and 112, Union-street, Borough; and of all respectable ironmongers, builders, &c.

MOORE'S PATENT MOVEABLE GLASS VENTILATOR.



For Windows, Partitions, Stables, Greenhouses, &c. and for Sportsmen, made to any size and form, from 16s. and upwards.

The greatest amount of ventilation is obtained without draught, and it can be adjusted to any quantity.

For removing steam from windows, and smoke from rooms, it is most effectual.

List of Prices may be obtained by application.

N.B. A Working Model forwarded by post, upon receipt of 10s. which will be returned upon receipt of Model.

Ventilators on an improved principle for Chimneys, Air-Flues, &c.

MANUFACTORY, 39 and 39, Clerkenwell Close, London. Church and House Clock Makers to the Honourable Board of Ordnance, the Russian Government, and the Emperor of China.

Number of Church Clocks made by the above Firm, 810; ditto House Clocks, 13,000.

NOIRSAINS' VENTILATING GRATES

and STOVES.—A long search for desideratum at last obtained. Great Economy in Fuel.—entire Prevention of Smoking in Chimneys and Perfect Regulation of the Temperature of Rooms, effected by the new Ventilating Grates, which may be fitted to any fire-place.

The Proprietors solicit the attention of the public and scientific men to the patent apparatus,—the utility and superior advantages of which will be satisfactorily demonstrated at the Depôt, 131, REGENT-STREET, to any visitor. The highest testimonials given. Prices, from Two Guineas upwards. R. KIDD, Agent.

WARMING by HOT WATER.—J. WEEKS

and CO. King's-road, Chelsea.—A great variety of plain and ornamental apparatus, consisting of Pedestals, and Stacks of Pipes for warming Churches, Mansions, Warehouses, Offices, Drying rooms, Conservatories, &c. &c.—To be seen in extensive operation on our Premises at Chelsea, and also at Mr. STOCKEN'S extensive carriage repository, Halkin-street, Hyde-park-corner.

STEPHENSON and PEILL, 61, Gracechurch-

street, London, and 17, New Park-street, Southwark, Manufacturers of COPPER CYLINDRICAL and improved CONICAL IRON BOILERS, and Conservatory and Hot-house Builders, either in wood or iron, respectfully call the attention of the nobility, gentry, and universe, to their simple but effective method of warming horticultural and other buildings by Hot Water. From the extensive works they have executed references of the highest respectability can be given, and full particulars furnished on application.

CALORIFERE.—Gold Medal at the Paris

Exhibition, 1849.—Patent Apparatus for Heating and Ventilating, by Hot Air only, every description of buildings, and for dehumidifying every sort of materials, linens, and cloths. The following are the results:—

No. 1, burning 21b. of coal per hour, produces	10,000 cubic feet of Hot Air, 310 Fahr.
No. 2, burning 14 lb. of coal per hour, produces	20,000 " " "
No. 3, burning 28 lb. of coal per hour, produces	30,000 " " "

The atmosphere without being at 30 Fahr. J. BOILEVE, Civil Engineer, guarantees all the above named results; he shows every day at his Consulting-house the smallest number, as well as a list of persons who have given him the most flattering testimonials of the discovery and champions: among them, MM. Viardot de Gisors, Architects, in Paris; Kuchlin, Brothers, Dolfus and Gros-Odier, Bankers, Mulhouse, Hartman Spinners, Manufacturers, &c.—Apply by J. BOILEVE, 16C, Fenchurch-street, London.—To be seen on Monday, Wednesday, and Friday.

GREAT EXHIBITION PRIZES.—First Prize,

KITCHEN RANGE, with Medal of Special Approbation by Royal Letters Patent.—SIDNEY PLAVEL, begs to inform the nobility, gentry, and public, that he has had the honour of being chosen as the only exhibitor of Kitchen Ranges entitled to a Medal of Special Approbation. The Ranges, as shown during the Great Exhibition, may be seen daily at 89, Jermyn-street, St. James's, London; and at his Manufactory, Portland-terrace, Leamington, Priors.

CUNDY'S PATENT PRIZE STOVE.—

W. HODGES, late of 123, Oxford-street, begs to announce that he has transferred the Business for manufacturing the above Stoves to Messrs. CUTLER and SOWN, 16, Great Queen-street, Lincoln's-inn, where a large assortment is always kept on sale. Open Fire-warm Air-ventilating Stoves, suitable for churches, school-rooms, public offices, halls, and other rooms of all dimensions, and Smoke-expelling Register Stoves, which are guaranteed a perfect Cure for Smoky Chimneys.

A NEW STOVE.—GREAT NOVELTY.—In

the construction of the BURTON REGISTER STOVE, is one the first care of the inventor, WILLIAM S. BURTON, to avail himself of the most valued of modern improvements in the art of heating and ventilating, so as to modify and alter the receptacle for the embers so as ever to obtain the simplest and most perfect combination; after a long series of experiments, he has, by the substitution of a cylindrical form of shelf for the present clumsy and ill-adapted bars, succeeded in producing a stove which, for cost and brilliant light, as well as purity and quantity of heat, is far beyond his most sanguine expectations, while for cleanliness and economy it is utterly unapproachable. Price, from 63s. to 12l. To be seen in use daily in his show rooms, where also are to be seen

THE NEWTONS and THE PENDERS (exclusive of reserved stock) all different in pattern, forming the largest assortment ever collected together. They are marked in plain figures, and at prices proportionate with those that have tended to make his establishment the most distinguished in this country. Bright Stoves, with bronzed ornaments and two sets of bars, 2l. 7s. to 3l. 10s.; ditto, with enriched ornaments and two sets of bars, 3l. 15s. to 12l. 12s.; Bronzed Fenders complete, with standards, from 7s. to 3l.; steel Fenders, from 3l. 15s. to 6l.; ditto, with richly ormolu ornaments, from 3l. 12s. to 7l. 7s.; Fire-irons, from 1s. 9d. the set to 1l. 4s. Sylvester and all other Patent Stoves, with radiating hearth plates, and Kitchen Ranges, which he is enabled to sell at these very reduced charges.

First—From the frequency and extent of his purchases; and

Secondly—From these purchases being made exclusively for cash.

WILLIAM S. BURTON has TEN LARGE SHOW-ROOMS all communicating, exclusive of the shop, devoted solely to the sale of GENERAL FURNISHING IRONMONGERY (including cutlery, nickel silver, plated, and japanned wares, iron and brass bedsteads, so arranged and classified that purchasers may easily and at once make their selections.

Catalogues, with engravings, sent (per post) free. The money returned for every article not approved of.

39, OXFORD-STREET (corner of Newman-street); Nos. 1 and 2, NEWMAN-STREET; and 4 and 5, PERRY'S-PLACE.

Established A.D. 1820.

GREAT EXHIBITION.—DRAWING-

ROOM GRATES and FENDERS to which the GREAT or COUNCIL MEDAL was AWARDED.

J. L. BENHAM and SONS beg to intimate that these beautiful Stoves and Fenders, which were so universally admired for their suitableness and adaptation to every taste, may now be viewed, THE EXTENSIVE SHOW-ROOMS, and respectfully invite ARCHITECTS and Others engaged in Building to inspect them.

WARM AIR STOVES for CHURCHES, HALLS, &c. &c., simple in construction, ornamental in design, and thoroughly efficient, of unbounded good prices.

J. L. BENHAM and SONS' MANUFACTORY and SHOW-ROOMS, 19, WIGMORE-STREET, CAVENDISH-SQUARE.

PRIZE MEDAL for COOKING APPARATUS

awarded to J. L. BENHAM and SONS.

The IMPROVED FAMILY RANGE will roast, boil, bake, fry, &c. &c., for a large family, with an average consumption of 20lb. of coal per day. It has an open fire, is perfectly simple, and of moderate cost.

Specimens of these excellent and economical Ranges, and also of the most improved Boiling Stoves, Hot Closet, Hot Tables, Ovens, &c. &c., so highly exhibited in HYDE-PARK, may be inspected at the MANUFACTORY and SHOW-ROOMS. A Gas Cooking Apparatus is in daily operation.

J. L. BENHAM and SONS, Stove, Range, and Bath Manufacturers, Ironmongers, and Gas Engineers, &c., 19, WIGMORE STREET, CAVENDISH-SQUARE, LONDON.

A NEW KITCHEN RANGE, upon the SELF-

ACTING principle; of a NOVEL, ECONOMICAL, and CONVENIENT construction; CHEAPER, more DURABLE, and in every respect SUPERIOR, to the celebrated SELF-ACTING Range, 2 feet, with LARGE OVEN AND BOILER, 32s. each.

BROWN and GREENN Patent Range is a CERTAIN CURE for a SMOKY CHIMNEY; effects a GREAT SAVING in fuel, and is decidedly the most COMPLETE and PERFECT apparatus for roasting, baking, boiling, stewing, frying, &c. Price 8l. 10s. and upwards. Testimonials forwarded on application.

Self-acting Oven and Boiler Ranges for Cottages, from 18s. 6d. each.

Large Ranges, Registers, and Stoves of all kinds. Terms, Cash. Delivered in London, Birmingham, &c.

Address BROWN and GREEN, Ironfounders, Lisson, Beds.

STOVES, RANGES, GAS FITTINGS, &c.—

BENETFINK and COMPANY defy competition in the stove articles, if durability, combined with elegance of design is deemed to be the test of cheapness.

B. and Co. especially call the attention of Architects and Builders to their house, as they are admitted to have the largest and best selected stock of STOVES, RANGES, and GAS FITTINGS in the kingdom. Their stock contains Stephenson's Patent Register Stoves, patent hemispherical ditto, patent solar ditto, and patent pyramid ditto; the unrivalled Derby Kitchen Range, and every description of cooking apparatus. As a proof of their ability to furnish the mansion or the cottage they submit the following scale of prices:—

Fine cast black Register Stoves, 2 feet wide, from 18s. to 19l.
Highly finished Drawing-room Stoves, from 6s. to 20 guineas.
Cottage Ranges, with boiler and self-acting oven, from 30s.
Improved Kitchen Ranges, with boiler, self-acting oven, and bright fittings, from 6l.
Very strong Kitchen Ranges with self-acting oven, best wrought-iron steam boiler, bright fittings, and bright spit racks, from 16 to 18 guineas.
3 light, water slide, gas Chandeliers, from 20s.
3 light ditto ditto, from 3 to 12 guineas

NOTE THE ADDRESS:—BENETFINK and COMPANY, 30 and 69, CHEAPSIDE, LONDON.

CLARK and HUNT'S IRONMONGERY,

STOVE and METAL WAREHOUSE, 139, Shoreditch.

Improved Self-acting Cottage Ranges,	20	22	24	26 inch
with large Oven and Boiler	22s.	24s.	27s.	34s.
Best Self-acting Ranges, with Oven and	24	26	30	42 inch.
Black Boiler, Bright Wrought Bars	24s.	26s.	32s.	42s.

Strong Elliptic Stoves, with Extra Back and Solid Bars, per inch, 9d.

Register Stoves, with Solid Bars, per inch, 5d. Best Solar ditto, with Fire Brick Back, per inch, 7½d.

Bright Stoves, with Two Fires, 24s. to 120s. each.

Cast Rain-water Pipe	3	3½	3	3 inch.
	6d.	10d.	1s.	1s. 3d. per yd.

Cast Gutters—4 inch, 6d. per yard.

O. G. Gutters		4	4½	4½ inch.
		11d.		1s. per yard.
Best Cut Glass and Rose	1½	1¾	2	2½ 3 inch.
	1s. 6d.	1s. 6d.	1s. 6d.	1s. 6d. 1s. per cwt

Sheet Flooring Brads, 11s. 6d. per cwt.
1-inch Cut Lath, 12s. 6d. Cast Lath, 8s. 6d.

Patent Line	3	3	4	5	6
	4½d.	5d.	7½	9d	1s. per knot

4 inch 3-Bolt Rd. Ward Mortise, with best Furniture and Patent Spindles, 3s. each. Light Elliptic and Map after Metal, 12s. per cwt.

Dr. Arnott's Ventilators, 6s. 6d. each.

An extensive stock of bar, rod, hoop, and sheet iron.

Clark and Hunt's Improved Glass Paper.

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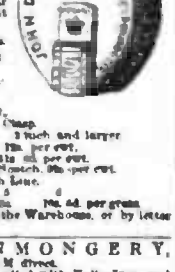
JOHN DALE, 18 and 19, Chiswell-street,

Finsbury-square, respectfully invites the above Trades to the inspection of his immense stock of ironmongery, which cannot be surpassed in variety, quality, and cheapness by any house in London.



Elliptic Stoves, double backs, 3½d. per inch, and upwards.

Register Stoves, 4½d. 5d. 6d. 6½d. 7½d. per inch.

Self-acting Ranges, with circular ovens and back boilers, best wrought bars and bright fittings:—

2 ft., 2l. 14s.; 2 ft. 6 in., 2l. 2s.; 4 ft., 3l. 12s.

3-feet Cottage Ranges, with ovens and back boilers, 22s. each.

3-feet self-acting ditto, ditto, 34s. each.

Air Bricks, 2s. 3d. per doz.

1-inch Cut Lath Nails, 12s. 6d. per cwt.

Best Patent Cut Clasp.

1½	1¾	2	2½	3 inch and larger
14s. 6d.	14s.	13s.	12s. 6d.	12s. per cwt.

Best Sheet Floor Brads, 11s. 6d. per cwt.

Best Town Glue, 50s. Ditto, Scotch, 60s. per cwt.

Best Patent Sash Lines.

1	2	3	4	5	6
4s.	4s. 6d.	5s. 6d.	7s.	8s.	10s. 6d. per gross

List of Prices had on application at the Warehouse, or by letter prepaid.

NAILS and IRONMONGERY,

from BIRMINGHAM direct.

Builders, Contractors, and Others, supplied with Nails, Iron, and Ironmongery of every description, at the

LOWEST BIRMINGHAM PRICES.

A complete LIST of which will be forwarded upon application.

FREDERICK SLITH,
Nail Manufacturer and General Factor,
Edmund-street, BIRMINGHAM;
or, at 17, Gresham-street West, LONDON.

PRIZE MEDAL of the Great Exhibition

to HART and SON, MANUFACTURING IRONMONGERS, for the excellence of their

DOOR FURNITURE and FINGER PLATES.

HART and SON invite the attention of Architects, Builders, and others, to the superior quality of their fresh PORCELAIN PORCELAIN in PLAIN and DECORATED CHINA, ORTHOLA, AMBER, and OPAL GLASS, EBONY, MAPLE, BUFFALO HORN, &c. &c., and to the advantages resulting from the use of it, being mounted with PITTS PATENT SELF-ADJUSTING SPINDLES, applicable to doors of any thickness without alteration.

HART and SON also invite attention to their stock of LOCKS, Mortise, Rim, Cabinet, &c., BRASS FOUNDRY and BELL-HANGING materials and GENERAL IRONMONGERY, and especially to their DR. ARNOTT'S VENTILATING CHIMNEY VALVE, to the manufacture of which they give particular attention. They have in stock a great variety of size and styles of finish, the prices of which may be obtained on application at their MANUFACTORY, 53, 54, and 55, WYCH-STREET, STRAND.

TO BUILDERS AND THE TRADE.

CASTINGS, RAIN-WATER PIPE, GUTTERS, BAKING, SASH-WEIGHTS, &c.

Iron Rain-water Pipe	3	3½	3	3½ inch.
	8d.	10d.	1s. 1d.	1s. 3d. per yd.
Half Round Gutter	3	3½	4	4 inch
	7d.	7½d.	8d.	8d. per yard.

Sash-weights 4s. per cwt. Air Bricks, 2s. 6d. per dozen.

Underground Pipe, 3s. 6d. per cwt.

A large stock of CASTINGS and WROUGHT-IRON WORK for BUILDING and other purposes, at equally low prices, enumerating of—

GIRDERS AND COLUMNS.
RAILING AND STAIRCASE BARS.
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Every article in the trade kept in stock. An extensive assortment of patterns for both PLAIN and ORNAMENTAL CASTINGS, and every description of WROUGHT-IRON WORK.

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IRON WORKS, 3, WINSLEY-STREET, OXFORD-STREET AND CORNWALL-ROAD, LAMBETH.

CAST-IRON PIPE AND GUTTER

Rain-Water Pipe	3	3½	3 inches
	8d.	10d.	1s. per yard
Half-round Gutter	3	4	4 inches
	7½d.		6d. per yard
O. G. Gutter	4	4½	4½ inches
	11d.		1½d per yard

Moulded Gutters 4s. Galvanized Iron, Copper, or Zinc, made to any pattern.

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RAIN-WATER PIPES, O G and Half-round

Gutters, Sash Weights, Railing Bars, Air Bricks, &c.

J. JONES has the largest stock in London of the above and other castings, of the very best quality. Also, cast-iron pipes for gas, water, or drainage; bends, tees, &c.; flange and hub water pipes, with all the usual connections; lamp-posts and private gas fittings, pig-troughs, &c. &c.—J. JONES, IRON BRIDGE WHARF, No. 4, BANKSIDE, LONDON, near the Southwark Iron Bridge.

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Shafts, &c.—The Nobility, Gentry, Water Companies, Town, Poor-law Unions, Public Baths, Brewers, Distillers, Paper-mills, Manufacturers of every description, may be SUPPLIED with any quantity by DAVID GREENLEY, Civil Engineer, and patentee of boring tools, 10, Cumming-street, Pentonville, London, who having had upwards of twenty years' experience, is enabled to give the most satisfactory and highly respectable references. Pumps and machinery of every description for raising water from deep wells, boring tools, with suitable pipes, for exploration, with instructions. Men and tools supplied to bore for railroads, sinkings, &c.

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BUILDERS, AND OTHERS.—The largest stock in England of SINGLE and DOUBLE PUMPS, of a superior description, from 4 inch to double 14 inch barrel, and adapted to Hand or Steam Power, kept in the most perfect order, ready for use, on very reasonable terms at BENJAMIN FOWLER'S Engine Pump, and Hot Water Apparatus Manufactory, Whitehall-street, Pimlico-street, London. Hand-engine Frames of various powers, for Wells of any depth, made on the most improved principles.

FARM AND COTTAGE PUMPS.

PATENT CAST-IRON

PUMPS, for the use of Farm, Cottages, Manure Tanks and Shallow Wells.

Patent Pump	£1 8 0
Patent Pump, with 15 feet of lead pipe attached, and bolts and nuts ready for fixing	1 4 0

Larger sizes if required.

May be obtained of any Ironmonger or Plumber in Town or Country, or of the Patentees and Manufacturers,

JOHN WARNER and SONS,
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Every description of Machinery for Raising Water, Fire Engines, &c.

The usual allowance to the Trade.

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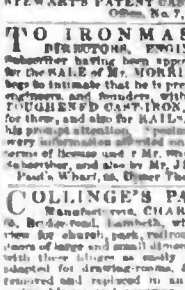
CRESCENT, JEWIN STREET, LONDON,

MANUFACTURERS OF FIRE ENGINES, GARDEN ENGINES AND SYRINGES.



Galvanized Iron Tub Garden Engine with Warner's Registered Spreader is strongly recommended for durability and low price, 40s. 3d.

May be obtained of any Ironmonger in Town and Country.

LOSH, WILSON, and BELL,

NEWCASTLE-ON-TYNE.

Manufacturers of Bar Iron, Railway Bars, Forge and Farriery Work, Railway Chairs and Spikes, and

STEWART'S PATENT CAST-IRON GAS and WATER PIPES

Offices, No. 7, Mincing-lane, London.

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DIRECTORS, ENGINEERS, and FOUNDERS.—The Subscriber having been appointed SOLE AGENT in LONDON for the SALE of Mr. MORRIS STIRLING'S PATENT IRON, begs to intimate that he is prepared to supply railway companies, engineers, and founders, with the PATENT MALLEABLE and TOUGHENED CAST-IRON, and that all orders addressed to him for these, and also for RAILS, with hardened surfaces, shall have his prompt attention. Specimens of the different irons shown, and every information afforded on application. Information as to the terms of license and Mr. Stirling's Patents will be given by the Subscriber, and also by Mr. JEE, C.E. 6, John-street, Adelphi, Pool's Wharf, 65, Upper Thames-street. A. MACNAGHTEN.

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Manufacturers, CHARLES COLLINGE and CO. 65 and 66, Borough-road, Lambeth, where a great variety are always on view for church, park, railroad, coach-house, and other gates and doors of large and small dimensions, a gate of a ton weight moved with these hinges as easily as a wicket. Ornamental hinges adapted for drawing-rooms, &c.; doors fitted with them may be removed and replaced in an instant. Heavy and 4-in. double spring hinges, and superior gate fastenings, at moderate prices. None genuine unless marked "Charles Collinge, Patent, Lambeth." Plain and ornamental cast and wrought iron work for building and other purposes. Engines, machinery, patent addresses, sugar-mills, &c.

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